



Essential Functions And Job Activities

SECTION 1 – General Information

Position No.:		Job Title:	Medic – Field
Department:	Emergency Medical Services	Date:	April 16, 2015
Division:	Operations	Completed & Reviewed By:	Blake Hardy – Safety Coordinator James Shamard – Assistant Director
Location:	Travis County	Hiring Manager:	N/A

Briefly Describe Position:

Responds to 911 emergency medical calls in an ambulance using lights and sirens. Assesses patient condition and performs pre-hospital care while working with another medic and/or other first responders. May participate in extricating patients from damaged vehicles, wilderness rescues, construction sites, or other hazardous environments. Drives or provides patient care while transporting patients to hospitals. Reports to hospital staff the patient's condition, treatment provided and other pertinent details.

Position involves a variety of shift work configurations of typically 12 hour and/or 24 hour shifts, to total a 48 hour workweek. Periodic mandatory overtime in addition to the 48hrs may be required. Working nights and weekends is frequently required. All phases of work may be performed in weather extremes or other hazardous environments.

SECTION 2 – Essential Job Functions

Frequency = D (daily), W (weekly), or M (monthly) in the PERCENTAGE OF TIME column.																								
Provide additional comments regarding special skills/abilities required where necessary.																								
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E.F. Number	PERCENTAGE OF TIME			Description of Task																				
	O Up to 33%	F 33 – 66%	C > 66%																					
1		W		Drives an ambulance or other motorized vehicle in both emergency and non – emergency driving.																				
2		W		Enters & exits an elevated ambulance.																				
3		W		Lifts/moves equipment.																				
4	W			Loads and unloads stretchers (empty).																				
5	W			Loads and unloads stretchers (with a patient).																				
6		W		Pushes & pulls stretchers.																				
7	W			Lifts patients.																				
8		W		Bends, kneels, reaches for supplies, equipment, and to assist with patient movement.																				
9		W		Provides patient care (on-scene and/or in a moving ambulance) at a credentialed EMT or Paramedic provider level.																				
10		W		Performs data entry.																				
11	W			Performs station duties (Cleaning, washing ambulance, empty trash, reports & logs).																				
12	W			Restraints combative/uncooperative patients.																				
13	W			Performs patient extrication. For Special Operations personnel – may include patient rescues from swiftwater and other hazardous environments.																				
14	M			Critical Incident Management - Manages critical incidents / emotional situations involving trauma, illness, death and dying, mental illness and substance.																				

SECTION 3 – Strength Abilities

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Lifting:

E.F. #	Typical Weight	Max Weight	PERCENTAGE OF TIME			Height		Describe Activity and Posture
			O Up to 33%	F 33 – 66%	C > 66%	From	To	
3	30	50		W		0"	3'-6"	Reaching 2ft into ambulance
4	125	200	W			3'-6"	3'-6"	Standing & walking supporting ½ of weight
5	300	525	W			3'-6"	3'-6"	Standing & walking supporting ½ of weight (shares with partner on heavier patients)
7	175	400	W			0"	2'-0"	Lifting patient from ground to stretcher
13	175	400	W			2'-3'	3'	Lifting patients from car or other enclosed space

Carrying:

E.F. #	Typical Weight	Max Weight	PERCENTAGE OF TIME			Distance/Grade	Describe Activity and Posture
			O Up to 33%	F 33 – 66%	C > 66%		
3	50	75		W		100ft, 0-15%	Carrying medical equipment to and from patient. Carrying patient's possessions
7	175	400	W			50ft, 0-15%	Carrying patient through home to stretcher or stair chair. Normally on a back-board or Mega-Mover (tarp with handles) with other responders helping
9,13	10	100	W			Varies. May be over rugged terrain or swift water / flood environment or in enclosed – confined space or indoors.	Wearing personal protective equipment to include turnout gear, ballistic vest, traffic vest, protective helmet, boots, air purifying respirator. <u>Special Operations personnel</u> – wearing powered air purifying respirator or self-contained breathing apparatus, full body rescue harness, swift water rescue dry suits, fins
6,9,13	200	400	W			Varies – normally less than 100 feet	<u>Special Operations Commanders</u> – with team mates, move inflatable rubber boat (IRB) from trailer to water's edge to launch. Typically 4 to 8 person lift of 16 ft IRB

Pushing/Pulling:						
E.F. #	Typical/Max Force	Max Distance/Grade	PERCENTAGE OF TIME			Describe Object, Activity, Posture and Equipment
			O Up to 33%	F 33 – 66%	C > 66%	
6	40lbs	100ft, 0-15%		W		Moving stretcher to patient, back to ambulance, to hospital bed, back to ambulance. Stretcher may be empty, loaded with equipment or a patient.
8	20lbs	3ft		W		Log rolling patient onto backboard on the ground, pulling response bags/equipment closer to medic, both activities while kneeling. Moving patient's furniture to clear a path
12	80lbs	NA	W			Wrestling/fighting/restraining combative patients on-scene or in ambulance.
7,9	40lbs rolling force, up to 400lbs vertical up / down stairs	100 ft 0-15% grade Stairs with 8-10 inch rise, 2-3 stories of stairs	W			Moving stair chair with patient up & down stairs / steps / curbs, rolling down hallways. Typically will have assistance of other responders, depending upon physical environment such as the width of halls, stairs, and access issues.

For CoA Department Review

Based on the strength capabilities required to perform the essential functions of this job and the Department of Labor guidelines; this job is classified as:

- Sedentary Light Medium
 Heavy X Very Heavy

SECTION 4 – Functional Abilities

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E.F.#(s) NA	PERCENTAGE OF TIME			COMMENTS	
	O Up to 33%	F 33 – 66%	C >66%		
Posture and Mobility					
Sitting	1,9,10		W		May be sitting in a recliner, upright chair, or the front or back of ambulance
Standing	All	W			On-scene, at hospital, station duties, etc.
Driving	1		W		Ambulance or other motorized vehicles
Walking	1-10		W		To and from: ambulance, scene, hospital. May involve rough terrain
Running	NA	W			Not required but maintaining physical fitness is encouraged, so they may run off-the-job
Jumping	9,13	M			<u>Very rare</u> . Only in unusual circumstances to access patient

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	E.F.#(s) NA	PERCENTAGE OF TIME			COMMENTS
		O Up to 33%	F 33 – 66%	C >66%	
Balancing	2-13		W		Critical for working in the back of a moving ambulance and for moving patients
Crouching/Squatting	9,13	W			Frequently patient care on-scene is provided in this position
Kneeling	9,13	W			Frequently patient care on-scene is provided in this position
Crawling	9,13	M			<u>Very rare.</u> Only in unusual circumstances to access patient
Bending/Stooping	All	W			Taller medics must bend/stoop when working in ambulances. Ambulance doorways are typically 5'-6" and ceiling height is 6'-1" with a grab-bar protruding down 5"
Twisting	1-3, 6-9, 11-13	W			This is discouraged due to risk of injury, but often occurs during patient care and moving equipment.
Throwing	13	M			<u>Very rare.</u> Only in unusual circumstances to access patient
Swimming	13	M			<u>Cadets</u> - Academy Training. <u>Special Operations</u> – Swift water rescues and training
Climbing					
Legs only (e.g. stairs)	1-3 7,11	W			Access to a patient, entry into buildings.
Arms and legs (e.g. ladder)	1-3,11	W			Enter/exit ambulance. Special Operations only – Ladders, ropes, rugged terrain.
Reaching					
Above shoulder	1,2,3,9, 11	W			Retrieving supplies (normally less than 5 pounds)
Below shoulder	1,3-7,9, 11,12	W			Retrieving supplies (normally less than 5 pounds) as well as equipment (50lbs) or patient care
Gripping					
Power Grip	1-6, 12,13	W			Stretcher and handles on equipment
Pinch Grip	9,10	W			Medical procedures (IVs, syringe, glucometer, etc.)
Steering Wheel Grip	1,2		W		9:00 and 3:00 grip position on truck steering wheel
Manual Dexterity/Fine Motor Control					
Writing	9,10,11	W			Infrequently needed for reports, vital signs
Keyboarding	9,10,11	W			Frequently needed for reports, email
Work With Small Parts/Tools	9	W			Medical procedures (IVs, syringe, glucometer, etc.)
Manual Controls	1,9	W			Ambulance, cardiac monitor, radios, etc.
Other (specify)	9	W			Checking pulse, finding veins , checking vertebrae
Hearing/Speech (please specify)					
Conversation	all		W		Often with background noise and scene distractions
Telephone	11	W			Station phone, cellular phones
Radio communications	1, 9,13	W			Multi-channel radios, headsets
Medical diagnostics	9				Breath sounds, stethoscope usage, electronic diagnostic sounds / warnings
Other sounds (specify)	9,13,14				Scene sounds for situational awareness
Vision					

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Color	1,9	W			Patient condition, medication labels, equipment
Depth	all	W			Driving and patient care
Near Vision	1,9,10	W			Patient care
Far Vision	1,9	W			Driving
Other (specify)	1,9,13	W			Good night vision required for many tasks
Meet Texas Driver's License Vision Requirements (NOT Commercial Driver's License)	1		W		Personnel driving on COA business must have vision with or without corrective lenses that meets the Texas Vision Test requirements for a Texas Driver's License (NOT Commercial Driver's License).
Cognitive Ability					
Decision making	Low level	All		W	
	High level	1,9,13,14	W		Able to analyze situations, assess potential consequences of alternatives, then make logical decisions and take appropriate action without delay.
Timely task completion	All			W	
Handling variety of tasks at once	1,9,12			W	
Problem solving	9,13,14	W			
Analytical ability	7,9,10,14			W	
Calculations	9	W			
Concentration	All			W	
Provide Supervision	All			W	
Working Conditions					
Contact with co-workers/public	1,4-7 9,12,13			W	May be in high stress circumstances – both physical and psychological stress
Shift work	All			W	Typically 12 and/or 24hrs = 48hr workweek often includes nights and weekends
Overtime	All			W	48 hour week plus periodic mandatory OT
Traveling	NA	W			
Working alone	NA				
Working in remote location	All	W			
Equipment/ machinery/ vehicle	Automobile	1			Standard/Automatic
	Ambulance	1		W	Automatic - Ambulance
	ATV	1,13			Standard or automatic transmission - Typically ATV at special events (all personnel)
	Inflatable Rubber Boat (IRB)	1,13	W		<u>Special Operations Personnel Only</u> . Boat may be equipped with outboard motor or paddles.

SECTION 5 – Environmental Conditions

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Environmental Conditions					
Inside work	3,6-12		W		Office environment, inside vehicle, patient locations
Outside work	All	W			Field medical operations in varying weather / temperature light conditions
Uneven terrain	All	W			Typically in residential / urban / park - greenbelt setting. May be in very rugged, rural condition in areas of Travis County.
High vehicular traffic areas	All	W			Commonly on scene of traffic accidents
Smoke	All	W			<u>Very rare</u> - exposure to low levels of smoke
Dust/particulates	All	W			Ordinary outdoor dust in dry conditions
Chemical fumes/vapors/gases	All	W			Vehicle exhaust
Loud noise	All	W			Below 85db, but often distracting background noise on-scene
Climate conditions	Heat/Humidity	All	W		Seasonally exposed to high heat & humidity with heat indices above 105 degree while wearing protective clothing
	Cold	All	W		Seasonally exposed to cold / wet weather with wind chill indices at or below 25 degrees. Cold weather clothing available.
Direct sunlight	All	W			
Dimly lit or Dark conditions	1-9, 12-14	W			Night shifts and 24 hour shift work
Lighting	Bright	All	W		
	Dull	All	W		
Vibration exposure	Whole body	1,13	W		Ambulance
	Arms/Hands	1	W		Ambulance
	Legs/Feet	1	W		Ambulance
Water based rescues	10,11	W			<u>Rare</u> - Swift water rescues in flooded creeks, lakes, and waterways. Wears rescue dry suit or wetsuit during operations, along with PFD, helmet, etc.
Other (specify)	2-9,13	W			Required to wear bunker gear inside damaged vehicle on a hot roadway

SECTION 6 – Personal Protective Equipment (PPE) (Only marked items apply.)

<input checked="" type="checkbox"/> Safety Glasses	<input checked="" type="checkbox"/> Rescue helmet	<input checked="" type="checkbox"/> Rubber Bunker Boots	<input checked="" type="checkbox"/> APR	<input checked="" type="checkbox"/> Fall Protection – full body rescue harness - Spec Ops Only
<input checked="" type="checkbox"/> Ballistic Vest	<input checked="" type="checkbox"/> Winter coat with blood borne pathogen barrier	<input checked="" type="checkbox"/> – Nomex / Kevlar turn out coat and pants	<input checked="" type="checkbox"/> PAPR – Spec Ops Only	<input checked="" type="checkbox"/> Personal flotation device – swift water rescue
<input checked="" type="checkbox"/> Goggles	<input checked="" type="checkbox"/> Coveralls/Tyvek	<input checked="" type="checkbox"/> Gloves – Exam (Nitrile)	<input checked="" type="checkbox"/> SAR – Spec Ops Only	<input checked="" type="checkbox"/> Sun Screen
<input checked="" type="checkbox"/> Face Shield	<input checked="" type="checkbox"/> Work boots	<input checked="" type="checkbox"/> Gloves – Rescue – Kevlar or leather	<input checked="" type="checkbox"/> SCBA – Spec Ops Only	<input checked="" type="checkbox"/> Dry suit / wet suit – Spec Ops Only
<input type="checkbox"/> Hood (optional)		<input checked="" type="checkbox"/> Hi-Viz Traffic Vests, Tear away design	<input checked="" type="checkbox"/> COTA Race Track Personnel – specialized rescue attire	
<input type="checkbox"/> Other (describe):				

Safety Hazard(s)

Comment on any potential safety hazards in the work area (e.g. equipment, machinery, etc.)

- Exposure to infectious agents (blood borne, airborne, skin, saliva);
- Collision scenes on active roads & highways; passing vehicles that could enter accident scene and strike workers
- Regular lifting including heavy to very heavy patients (usually with assistance)
- Uncontrolled environments (wherever the patient is located);
- Unstable walking and working surfaces – uneven terrain, steeply sloped terrain, damaged vehicles or structures,
- Rescues involving swift moving water in flooded roadways, creeks, lakes, and waterways. Still water rescues (pools, etc.)
- Emergency driving with lights and sirens; risk of high speed collisions with other vehicles in the roadway
- Combative patients or bystanders; combative individuals may have knives, firearms, other weapons
- Working unsecured in the back of a moving ambulance;
- Working in high noise environments above 85 dB and up to 140 dB. Noise exposure may be brief or extended.
- Helicopter landing zone operations / patient loading around or near active rotary wing aircraft / rotor wash.
- Fatigue (long shifts and calls in the middle of the night); minimal breaks between shifts (8 hour breaks minimum required)
- Periodic overtime.
- Possible hazardous chemical / substance exposure during field operations
- Emotionally-taxing calls involving critical incidents / emotional situations with life-threatening trauma, illness, death and dying, mental illness and substance.